

SECTION E

ADVANCED REACTORS TRANSITION



PROJECT MANAGERS

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SUMMARY

The Advanced Reactors Transition (ART) Program, WBS 1.12.1.1, PBS RL-TP11, consists of the 309 Building and the Nuclear Energy (NE) Legacies activities.

NOTE: Unless otherwise noted, Cost/Schedule data contained herein is as of April 30, 2000. All other information is as of May 18, 2000.

In April the ART mission area technical accomplishments included continued surveillance and maintenance activities on the 309 Building and NE Legacy facilities. The final rinse was performed in the large T-plant tank, previously cleaned of sodium residue. The pH of the rinse water after circulation was approximately 8.9. This value is well below the upper limit of pH 11 for disposal in the process sewer; therefore the approximately 300 gallons of rinse water was drained into the process sewer. Visual inspection of the tank interior showed the tank to be satisfactory for salvage or recycle. A FFTF Plant Review Committee (PRC) meeting was held to review the operation for removing NaK residue from the 337B cold trap cooling loop. The bulk NaK had been drained from this system in 1998. Nondestructive examination of the low spots in the system showed a small amount of NaK had collected. The PRC approved the concept of moist nitrogen reaction of the NaK. However, the PRC will re-convene to give final approval for the residue reaction operation following the drain of the small amount of NaK residual including hookup of the connecting piping between the cleaning station and the system. The PRC will also conduct a "what-if" session to review normal and emergency actions and approve the cleaning operation procedure.

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

ACCOMPLISHMENTS

- Continued surveillance and maintenance activities on 309 Building and NE legacies.
- Final rinse was performed in the large T-Plant tank, previously cleaned of sodium residue.
- A PRC meeting was held to review the operation for removing NaK residue from the 337B cold trap cooling loop.

SAFETY

Safety data for ART is included in a separate FFTF report.

CONDUCT OF OPERATIONS / ISMS STATUS

CONDUCT OF OPERATIONS

Conduct of operations data for ART is included in a separate FFTF report.

ISMS STATUS

FH DOE Phase I Verification was completed during April.

BREAKTHROUGHS / OPPORTUNITIES FOR IMPROVEMENT

No breakthroughs or opportunities for improvement have been identified at this time.

UPCOMING ACTIVITIES

- Continue cleaning of the sodium potassium (NaK) residuals from the 337B Building cold trap cooling loop.
- Initiate general cleanout of lower containment level of the 309 Bldg. / PRTR facility.

COST PERFORMANCE (\$M):

	BCWP	ACWP	VARIANCE
Advanced Reactors Transition	\$0.8	\$0.7	+\$0.1

The favorable (ten percent) cost variance is due to no significant corrective maintenance activities required.

SCHEDULE PERFORMANCE (\$M):

	BCWP	BCWS	VARIANCE
Advanced Reactors Transition	\$0.8	\$0.7	+\$0.0*

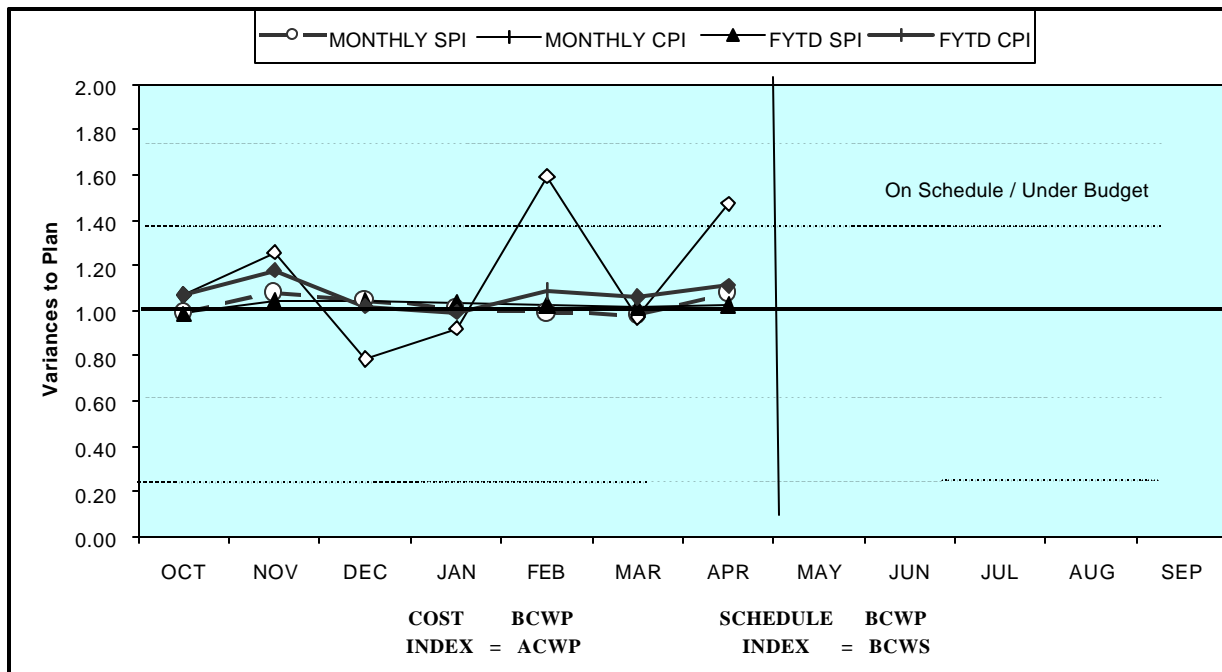
*Rounding

There is no schedule variance.

FY 2000 COST/SCHEDULE PERFORMANCE – ALL FUND TYPES CUMULATIVE TO DATE STATUS – (\$000)

		FYTD									
By PBS		BCWS	BCWP	ACWP	SV	%	CV	%	PEM	FYSF	EAC
PBS TP11	Advanced Reactors	\$ 743	\$ 761	\$ 686	\$ 18	2%	\$ 76	10%	\$ 1,472	\$ 1,105	\$ 1,105
WBS 1.12	Transition										
Total		\$ 743	\$ 761	\$ 686	\$ 18	2%	\$ 76	10%	\$ 1,472	\$ 1,105	\$ 1,105

COST/SCHEDULE PERFORMANCE INDICES (APRIL 2000 AND FYTD)



FY 2000	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
MONTHLY SPI	0.99	1.08	1.05	1.01	0.99	0.98	1.08					
MONTHLY CPI	1.07	1.26	0.79	0.92	1.59	0.97	1.47					
FYTD SPI	0.99	1.04	1.04	1.03	1.02	1.01	1.02					
FYTD CPI	1.07	1.18	1.02	0.99	1.09	1.06	1.11					
MONTHLY BCWS	\$79	\$113	\$88	\$93	\$116	\$139	\$116	\$145	\$110	\$128	\$177	\$170
MONTHLY BCWP	\$78	\$122	\$92	\$94	\$115	\$136	\$125					
MONTHLY ACWP	\$73	\$97	\$117	\$102	\$72	\$140	\$85					
FYTD BCWS	\$79	\$192	\$280	\$373	\$489	\$627	\$743	\$887	\$997	\$1,125	\$1,302	\$1,472
FYTD BCWP	\$78	\$200	\$292	\$386	\$501	\$637	\$761					
FYTD ACWP	\$73	\$170	\$287	\$389	\$461	\$601	\$686					

COST VARIANCE ANALYSIS: (+\$0.1M)

WBS/PBS Title

1.12/TP11 Advanced Reactors Transition

Description and Cause: All surveillance and maintenance (S&M) resources were level loaded for the year. To date, no significant corrective maintenance activities have been required.

Impact: None.

Corrective Action: None.

SCHEDULE VARIANCE ANALYSIS: (\$0.0M)

WBS/PBS Title

1.12/TP11 Advanced Reactors Transition

Description and Cause: None.

Impact: None.

Corrective Action: None.

ISSUES

There is nothing to report at this time.

BASELINE CHANGE REQUESTS CURRENTLY IN PROCESS

PROJECT CHANGE NUMBER	DATE ORIGIN	BCR TITLE	FY00 COST IMPACT \$000	SCH	TECH	DATE TO CCB	CCB APP'VD	RL APP'VD	CURRENT STATUS
		Nothing to report.							
ADVANCE WORK AUTHORIZATIONS									
		Nothing to report.							

MILESTONE ACHIEVEMENT

Fiscal-year-to-date milestone performance (EA, DOE-HQ, and RL) shows that there are no milestones due.

Tri-Party Agreement / EA Milestones
Nothing to report.
DNFSB Commitments
Nothing to report.

MILESTONE EXCEPTION REPORT

<u>Number/WBS</u>	<u>Level</u>	<u>Milestone Title</u>	<u>Baseline Date</u>	<u>Forecast Date</u>
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OVERDUE – 0

FORECAST LATE – 0

PERFORMANCE OBJECTIVES

Nothing to report at this time.

KEY INTEGRATION ACTIVITIES

Nothing to report at this time.